

# Wenbin Zhao



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## EXPERIENCE

### Imagine Communications—Full Stack Developer

September 2017–December 2017

- Changed code to be asynchronous to increase responsiveness of UI by 800%.
- Implemented UI features to impress and secure a major clientele in demo.
- Created a new service to address and prevent cases for a class of bugs.
- Developed reusable and customizable components to accelerate UI development and create uniformity and cohesion.
- Automated stylesheet generation for icons using Node.JS to enable exporting company icons as a reusable package.

### Asia Palace Restaurant—Developer and Manager

January 2016–September 2016

- Programmed and installed a point-of-sale system to save company over \$2000 and to provide more efficient service and analytics.
- Exercised strong communication and organization skills to optimize daily operations and mediate conflicts.

## PROJECTS

### HangmanBot—A basic machine learning experiment

September 2017

- Created a hangman game using Angular.JS which stored a database of words entered as words to guess.
- Developed an algorithm to determine the most likely letter to appear based on length of given word, letter frequency, and word use frequency.
- Bot undefeatable with greater-than-3 letter words after populating database with 20K words.

### NotePadd—A music generation app (<http://notepadd.net>)

February 2017

- Wrote parser for paragraphs of text input to break them into sentences, words, and syllables to make data useable to other functions.
- Created musical rhythms and flows by analyzing and interpreting sentences and word lengths.
- Mapped notes to syllables in iambic pentameter to create musical melodies.

## EDUCATION

### University of Waterloo

September 2016–Present

Candidate for Honours  
Bachelor of Computer Science, Co-op

## SKILLS

- C, C++
- Java, C#
- JavaScript
- SQL
- LESS/Sass/SCSS
- Git/Hg

## Frameworks

- AngularJS
- Node.JS
- Express.JS
- ReactJS
- jQuery
- TypeScript

## INTERESTS

- Gaming
- Design
- Latin Dancing
- Humans vs Zombies
- Improv
- Guitar
- Long walks on the beach